

2003 Current Fiscal Year Report: Advisory Committee for Cyberinfrastructure

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1. Department or Agency		2. Fiscal Year	
National Science Foundation		2003	
3. Committee or Subcommittee		3b. GSA Committee No.	
Advisory Committee for Cyberinfrastructure		10719	
4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	03/12/2001	03/12/2003	03/12/2003
8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority		8c. Actual Term Date
Yes			03/12/2003
9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?		10b. Legislation Pending?
Terminate			
11. Establishment Authority	Agency Authority		
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
		Ad hoc	No
15. Description of Committee Other Committee			
16a. Total Number of Reports		1	
16b. Report Date		Report Title	
02/05/2003		CyberInfrastructure Report	
Number of Committee Reports Listed: 1			
17a. Open	17b. Closed	17c. Partially Closed	Other Activities
0	0	0	0
17d. Total Meetings and Dates			
No Meetings			

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00

18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$8,350.00	\$0.00
18d. Total	\$8,350.00	\$0.00
19. Federal Staff Support Years (FTE)	0.10	0.00

20a. How does the Committee accomplish its purpose?

The Advisory Committee provides advice to the National Science Foundation concerning the broad topic of advanced cyberinfrastructure and the existing Partnerships for Advanced Computational Infrastructure (PACI). The Advisory Committee is being convened to prepare a report that: 1) evaluates the performance of the PACI Program in meeting the needs of the scientific research and engineering community; 2) recommends new areas of emphasis for the NSF Directorate for Computer and Information Science and Engineering that will respond to the future needs of this community; and 3) recommends an implementation plan to enact those changes.

20b. How does the Committee balance its membership?

Members are broadly representative of the scientific research and computer science and computational community. Professional stature and familiarity with the National Science Foundation and its PACI program are considered in selecting Advisory Committee members.

20c. How frequent and relevant are the Committee Meetings?

Estimated Number of Meetings per Year - 6 Estimated Total Meetings - 12

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The pace of research and innovation in such areas as the Internet, data mining, visualization, tele-instrumentation, tele-presence, and grid computing persuades us that NSF must draw more aggressively on these new technology opportunities. Additionally, NSF must establish a setting for Terascale Research and Infrastructure. There is currently no chartered Advisory Committee to provide NSF with the necessary advice and expertise required.

20e. Why is it necessary to close and/or partially closed committee meetings?

21. Remarks

Designated Federal Officer

Peter Freeman Assistant Director

Committee Members	Start	End	Occupation	Member Designation
Atkins, Daniel	03/12/2001	03/12/2003	University of Michigan	Special Government Employee (SGE) Member
Droegemeir, Kelvin	03/12/2001	03/12/2003	University of Oklahoma	Special Government Employee (SGE) Member
Feldman, Stuart	03/12/2001	03/12/2003	IBM Thomas J. Watson Research Center	Special Government Employee (SGE) Member
Garcia-Molina, Hector	03/12/2001	03/12/2003	Stanford University	Special Government Employee (SGE) Member
Klein, Michael	03/12/2001	03/12/2003	University of Pennsylvania	Special Government Employee (SGE) Member
Messerschmitt, David	03/12/2001	03/12/2003	University of California, Berkeley	Special Government Employee (SGE) Member
Messina, Paul	03/12/2001	03/12/2003	California Institute of Technology	Special Government Employee (SGE) Member
Ostriker, Jeremiah	03/12/2001	03/12/2003	Princeton University	Special Government Employee (SGE) Member
Wright, Margaret	03/12/2001	03/12/2003	Bell Labs	Special Government Employee (SGE) Member

Number of Committee Members Listed: 9

Narrative Description

The NSF mission as set out in the NSF Act of 1950 authorizes and directs the Agency to initiate and support basic scientific research and research fundamental to the engineering processs; and science and education programs at all levels and in all fields of science and engineering. This Advisory Committee provides advice to the National Science Foundation concerning the broad topic of advanced cyberinfrastructure and the existing Partnerships for Advanced Computational Infrastructure (PACI). The committee evaluates the performance of the PACI program in meeting the needs of the scientific and engineering community and the committee recommends new areas of emphasis for the NSF Directorate for Computer and Information Science and Engineering that will respond to the future needs of this community and by recommending an implementation plan to enact those changes.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety

☐

Trust in government

☐

Major policy changes

☐

Advance in scientific research

☒

Effective grant making

☒

- | | |
|---|-------------------------------------|
| Improved service delivery | <input checked="" type="checkbox"/> |
| Increased customer satisfaction | <input checked="" type="checkbox"/> |
| Implementation of laws or regulatory requirements | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- | | |
|----------------------------|-------------------------------------|
| None | <input type="checkbox"/> |
| Unable to Determine | <input checked="" type="checkbox"/> |
| Under \$100,000 | <input type="checkbox"/> |
| \$100,000 - \$500,000 | <input type="checkbox"/> |
| \$500,001 - \$1,000,000 | <input type="checkbox"/> |
| \$1,000,001 - \$5,000,000 | <input type="checkbox"/> |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/> |
| Over \$10,000,000 | <input type="checkbox"/> |
| Cost Savings Other | <input type="checkbox"/> |

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

1

Number of Recommendations Comments

One comprehensive report that includes significant programmatic recommendations.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

100%

% of Recommendations Fully Implemented Comments

All recommendations are considered by the agency.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

NA

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☐ No ☐ Not Applicable ☒

Agency Feedback Comments

NA

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

NA